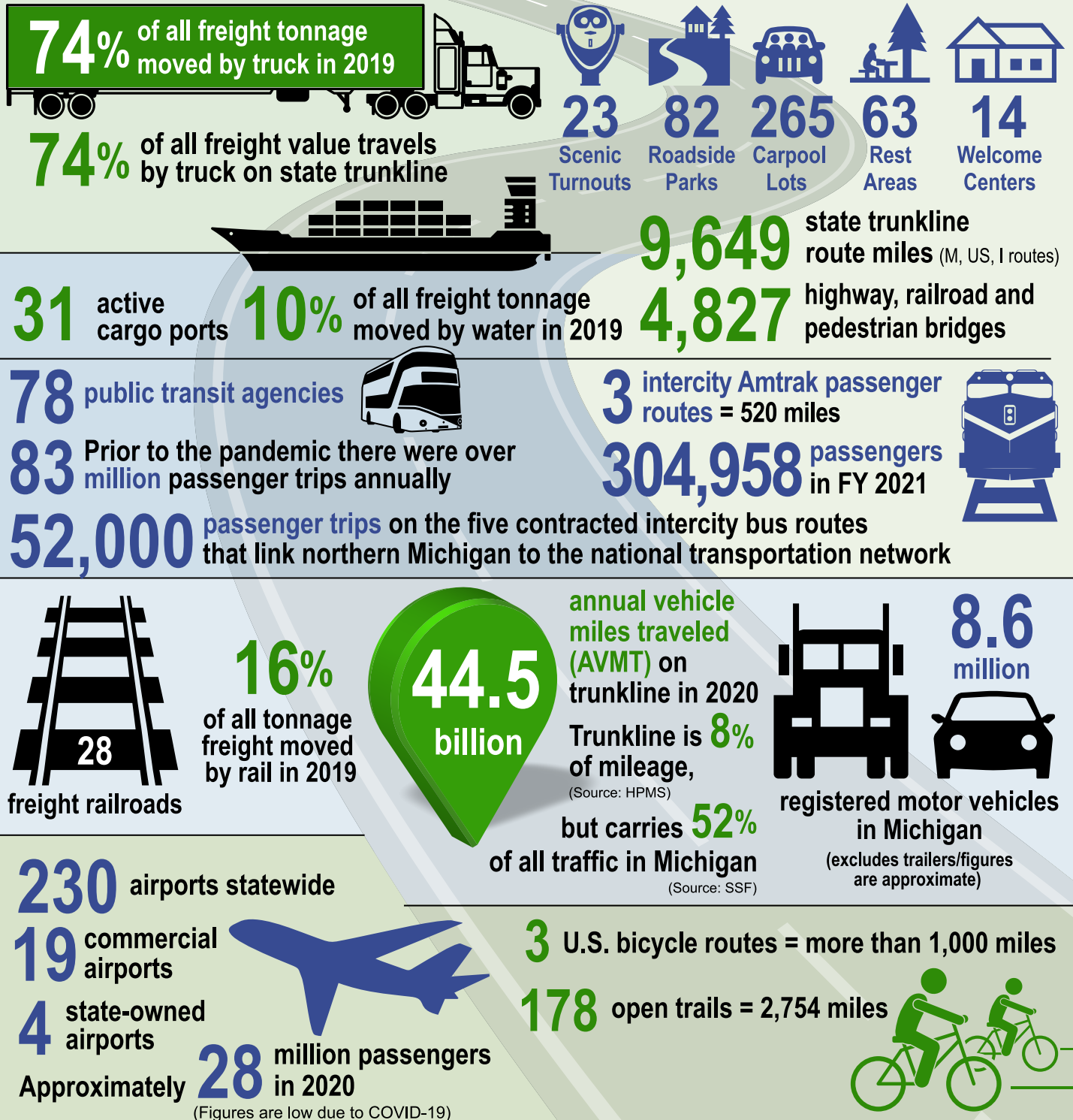


# Fast Facts 2022

MDOT is responsible for Michigan's state highways (I, US, and M routes), including highway bridges, overpasses, rest areas, carpool lots, noise barriers, and other features. MDOT also maintains certain Amtrak and other railroads, and aids intercity bus and train services.



## Fast Facts

2022

HIGHWAYS, ROADS  
and BRIDGES

Roadways		Route Miles
	Interstate	1,238
	Freeway	1,936
	Non-Freeway Trunkline	7,713
	National Highway System (NHS)	6,451
	Non-Trunkline NHS	1,225
	Federal-Aid Highways	36,688

Source: Statewide Statistics File and the 2020 Highway Performance Management System (HPMS) submittal.

- There were 86.3 billion Annual Vehicle Miles of Travel (AVMT) for all roads (2020).
  - 44.5 billion AVMT on trunkline roads.
  - 41.8 billion AVMT on non-trunkline roads.
- In Michigan, there are:
  - 122,040 miles of public roads.
  - 9,649 miles of state trunkline (M, US, I routes).
  - 90,281 miles of county roads.
  - 21,396 miles of city streets.
- Among the 50 states, Michigan has the:
  - 10th largest road network.
  - 28th largest state highway system.
  - 3rd largest county road system (out of 42 states with county roads).
  - 21st largest city street system (out of 49 states with city streets).

Bridges		MDOT	Area (Sq.Ft.)	Local	Area (Sq.Ft.)
	Highway Bridges	4,540	49,291,600	6,748	17,791,964
	Railroad Bridges	124	854,735	253	1,143,561
	Pedestrian Bridges	163	476,303	65	71,935
	Other Bridges	11	49,360	7	491,771
	<b>Total Bridges</b>	<b>4,838</b>	<b>50,671,998</b>	<b>7,073</b>	<b>19,499,231</b>

Note: Excludes bridges less than 20 feet long and those currently under construction or not yet let for construction.

**Mackinac Bridge:**

- Passenger vehicle - \$2 per axle or \$4 per car
- All others - \$5 per axle

**Blue Water Bridge:**

- Cars - \$3, extra axles - \$3
- Trucks and buses - \$3.25 per axle

**International Bridge:**

- Cars - \$4, all others vary

## NONMOTORIZED TRAILS

According to the Rails to Trails Conservancy, in 2020 Michigan leads the nation in miles of open nonmotorized trails, with approximately 178 trails totaling 2,754 miles.

- There are 24 proposed trail projects totaling 219 additional miles.

## CARPOOL LOTS

- There are 265 carpool lots in Michigan, including 23 public-private partnerships (18 of these locations are in Meijer parking lots near highways).
- MDOT continues its efforts to provide bike racks at carpool lots, and to attract transit service to lots where appropriate.

LOCAL TRANSIT  
SYSTEMS

MDOT provides about 37 percent of funding for local bus transit system through the Comprehensive Transportation Fund (CTF). This consists of 78 public transit agencies ranging from city and county-level transit systems to multi-county authorities and one fixed guided-way system. MDOT also provides support for 37 specialized transportation service providers, the Michivan van pool program, three intercity bus carriers that provide five subsidized routes in both the Upper and Lower peninsulas, with connection to Wisconsin and Minnesota, and four marine passenger systems.

- Local, state, and federal investments in local transit services are projected to contribute nearly \$863 million in economic and other benefits to Michigan communities in FY 2022.

## PASSENGER RAIL

- Three intercity routes:
  - **The Wolverine:** operates three daily round trips between Pontiac, Mich., and Chicago, Ill.
  - **The Blue Water:** operates a single daily round-trip between Port Huron, Mich., and Chicago, Ill.
  - **The Pere Marquette:** operates a single daily round-trip between Grand Rapids, Mich., and Chicago, Ill.
- There are 22 active passenger stations in Michigan, 12 of which are multimodal, serving passenger rail as well as intercity bus and transit.
- The Amtrak Thruway bus service provides connections between Amtrak routes and communities around Michigan. There is an Amtrak Thruway link between the Blue Water and Wolverine services that connects in Toledo, Ohio, with long-distance routes to the east coast.
- Made necessary improvements to increase speeds up to 110 mph on another segment of Michigan's accelerated rail corridor.

# Fast Facts

2022



## FREIGHT

- The most recent comprehensive freight data (from 2019) shows that Michigan's transportation infrastructure moved 538 million tons of freight, valued at roughly \$796 billion at that time.
- 74 percent of all freight tonnage is carried on trunkline, 74 percent by value.
- In 2019, more than 86 million tons of freight was moved by 28 railroads on approximately 3,600 miles of track. Most track is owned and maintained by railroads. 665 miles are owned by the state.
- 31 cargo ports handled approximately 51.2 million tons of freight in 2019.
- Air accounted for less than 1 percent of overall tonnage, but more than 4 percent of value.



## AIRPORTS

- Aviation contributes more than \$22 billion annually to the Michigan economy according to data provided by the Federal Aviation Administration (FAA).
- Michigan's 19 commercial airports moved 614 million pounds in 2019.
- MDOT administers funds used for capital projects at the 90 highest priority airports.
- Nationwide, Detroit Metropolitan Airport was ranked 18th in total passengers for 2019.



## HOW MUCH YOU PAY

Michigan road users pay for a 122,000-mile road system through user fees on vehicles and fuel. These fees also pay for much of the cost of public transit not covered by fares and local taxes. The fees cannot be diverted to non-transportation uses.

- For the typical Michigan car owner driving an average of 15,000 miles a year, the total state and federal road-user fees are \$413 a year. That's \$1.13 a day, or 2.75 cents per auto mile.
- For a typical 80,000-pound long-distance truck covering 81,000 miles a year, the total road-user fee is \$9,165 a year, or 11.33 cents per truck mile.

## REGISTRATION FEES

- Most car and light-truck registration fees are based on the list price for each model set by the manufacturer. The fee for a new car is 0.6 percent of the list price. The fee falls by 10 percent in each of the next three years, so after a car is four years old the rate is 0.44 percent. The average fee for cars of all ages and prices is about \$135 per year.
- Truck registration fees are based on the maximum weight of the truck and its cargo. The fee is roughly 2.5 cents per pound per year. For a standard 80,000-pound five-axle truck, the annual fee is \$1,992. Farm, logging, and dairy truck owners pay greatly reduced fees of \$20 to about \$200 per year.
- Electric car and plug-in hybrid owners pay annual surtaxes of \$140 and \$40, respectively, to compensate for non-payment of the road-use fee on gasoline. Manufacturer and dealer plates cost \$10 per year. Permanent trailer plates cost \$75 for a small trailer and \$300 for a semi-trailer. Motorcycle plates are \$23. Governments, charities, and buses receive discount plates.
- Owners of most classes of vehicles pay additional taxes of \$5.75 to the Secretary of State and \$2.25 to the Michigan State Police on top of transportation fees.

## Vehicles registered in Michigan (figures are approximate)

Autos and light trucks:	7,825,000 value-based
	70,000 pre-1984 weight-based
	142,000 historic vehicles
Dealer and manufacturer:	94,000 discounted plates
Heavy trucks:	100,000 in-state trucks
	54,000 Michigan-based interstate trucks
	54,000 farm and log trucks (discounted plates)
	208,000 total
Trailers:	1,000,000 (actual number is unknown)
Motorcycles:	249,000
Total motor vehicles (excludes trailers):	8.6 million



## Fast Facts

2022



## FUEL TAXES

**Taxes on Motor Fuels**  
**(2022 rates in dollars per gallon)**

	Gasoline	Diesel Fuel
<b>Michigan fuel tax</b> <i>for roads and transit</i>	\$0.268	\$0.272
<b>Michigan 6 percent sales tax</b> (as of January 2022) <i>for schools, revenue sharing, and transit</i>	\$0.163	\$0.163
<b>Michigan environmental tax</b> <i>for underground tank cleanup</i>	\$0.009	\$0.009
<b>Federal highway fuel tax</b> <i>for federal-aid roads</i>	\$0.184	\$0.244
<b>Federal transit fuel tax</b> <i>for big-city transit systems</i>	\$0.029	\$0.029
<b>Federal underground tank tax</b> <i>for underground tank cleanup</i>	\$0.001	\$0.001
<b>Total taxes per gallon</b> <i>at January 2022 fuel prices for calculation of sales tax</i>	\$0.615	\$0.679



## STATE REVENUE

The Michigan Transportation Fund (MTF) receives road user fees, which are restricted by the state Constitution and are distributed to road and transit agencies through a formula in Act 51 of 1951.

- State highways.....36%
- 83 county road commissions..... 35%
- 531 villages and cities.....20%
- 81 public transit agencies and statewide public transportation.....9%

**Approximate Annual MTF Revenues (FY 2022)**

Vehicle registration taxes.....	\$1,446 million
Gasoline taxes.....	\$1,165 million
Income and sales tax.....	\$600 million
Diesel fuel taxes.....	\$245 million
Marijuana and other.....	\$95 million
<b>Total revenue.....</b>	<b>\$3,553 million</b>

Plus 4.65 percent of automotive-related sales tax revenue for the CTF of about \$107 million.

Deductions are taken “off the top” of the MTF to support Secretary of State offices and the Michigan Department of Treasury for revenue collection.

**MICHIGAN STATE REVENUE PACKAGE**

The MTF revenue grew by \$600 million in 2017 from increased fuel and vehicle registration fees. Beginning in October 2018, income tax revenue is redirected and credited to the MTF.

- 2019..... \$264 million
- 2020..... \$468 million
- 2021 and beyond..... \$600 million

These amounts are distributed to road agencies only, not to public transit agencies.

**COST OF ROAD CONSTRUCTION**


Roadway construction costs are typically based on standard design characteristics, materials, and the type of work performed.

**Average Cost Per Lane Mile by Major Work Type for Various Networks (2021) figures; in thousands of dollars**

	Reconstruction (REC)	Rehabilitation (REH)	Average R&R (ARR)	Functional Enhancements (FE)	Surface Seals (SS)	Capital Preventive Maintenance (CPM)
Combined Statewide	\$2,864	\$793	\$1,485	\$159	\$65	\$108
Freeway	\$3,106	\$901	\$1,884	\$173	\$103	\$152
Non-Freeway	\$2,419	\$720	\$1,109	\$151***	\$59	\$94
Statewide Urban*	\$3,022	\$880	\$1,667	\$167	\$76	\$131
Statewide Rural**	\$1,564	\$470	\$681	\$133	\$62	\$84

\* Statewide Urban column is the average costs from Metro, Bay, University, Grand, and Southwest regions

\*\* Statewide Rural is the average costs from North and Superior regions

\*\*\* Includes ADA investment

Source: MDOT RQFS Cost Tables and Jobnet Database

**Material Cost for Construction (2022)**

Material	Cost
Hot Mix Asphalt (HMA) per Ton	\$90.02
Concrete per Square Yard	\$44.81
Structural Steel per Pound	\$3.64
Reinforcement Steel per Pound	\$1.81